

1001(1003)-Identify identifiers 1(3)

```
void delComment( char sourceLine[] )
{
    size_t length = strlen( sourceLine );
    if( length > 1 )
        for( size_t i = 0; i < length - 1; i++ )
            if( sourceLine[ i ] == '/' && sourceLine[ i + 1 ] == '/' )
            {
                sourceLine[ i ] = '\0';
                return;
            }
}
```

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
			s	i	z	e	_	t		i	;		/	/	d	e	c	l	a

i

20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
r	e		c	o	n	t	r	o	l		v	a	r	i	a	b	l	e	\0

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```

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```
void delComment( string &sourceLine )
{
    size_t length = sourceLine.size();
    if( length > 1 )
        for( size_t i = 0; i < length - 1; i++ )
            if( sourceLine[ i ] == '/' && sourceLine[ i + 1 ] == '/' )
            {
                sourceLine.erase( i, length );
                break;
            }
}
```

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```

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```

void extractIdentifiers( char *sourceLine,
                        vector< char * > &identifiers )
{
    size_t length = strlen( sourceLine );
    size_t begin;
    size_t end = -1;

    while( true )
    {

        char *identifier = new char[ 100 ];
        for( size_t i = begin; i < end; i++ )
            identifier[ i - begin ] = sourceLine[ i ];
        identifier[ end - begin ] = '\0';

        if( !keyword( identifier ) )
            identifiers.push_back( identifier );
    }
}

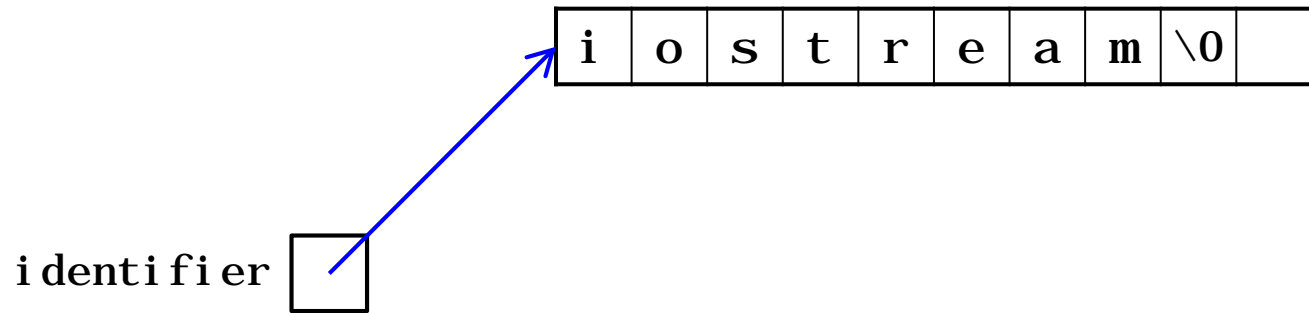
```

identifiers

identifier 

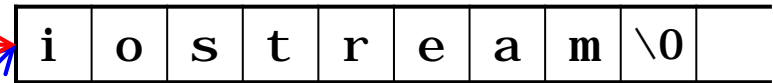
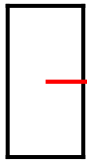
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identifiers



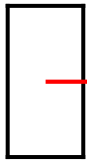
identifier



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identifiers



i	o	s	t	r	e	a	m	\0	
---	---	---	---	---	---	---	---	----	--

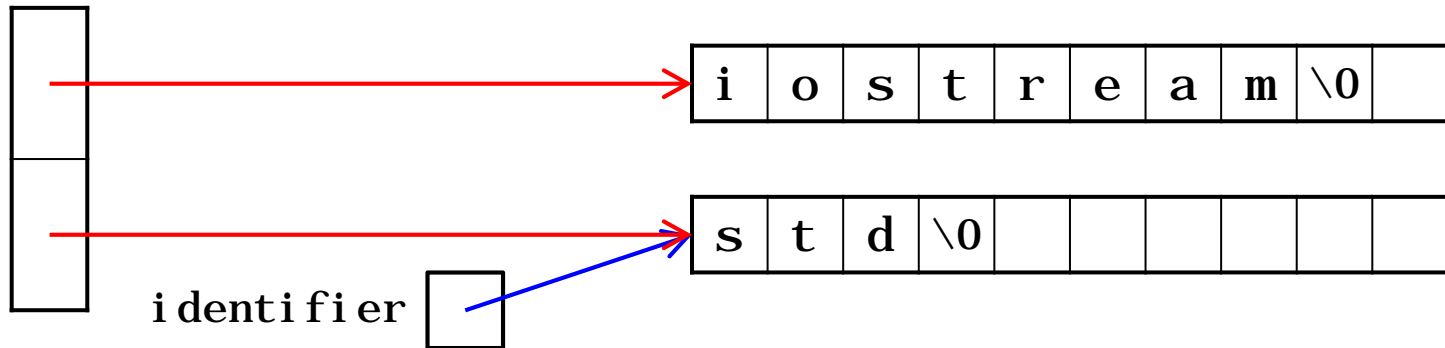
identifier



s	t	d	\0						
---	---	---	----	--	--	--	--	--	--

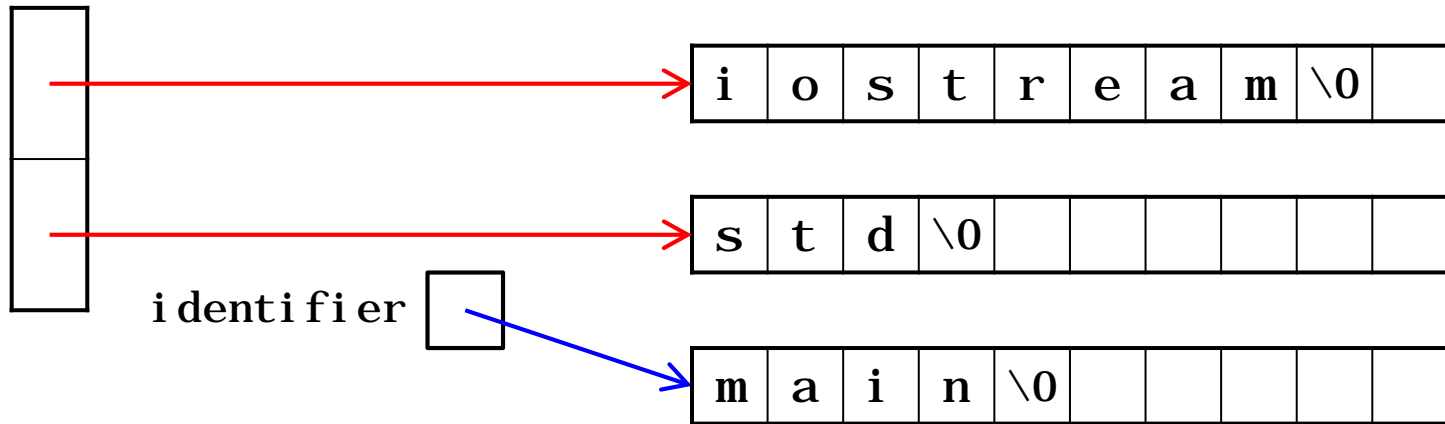
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identifiers



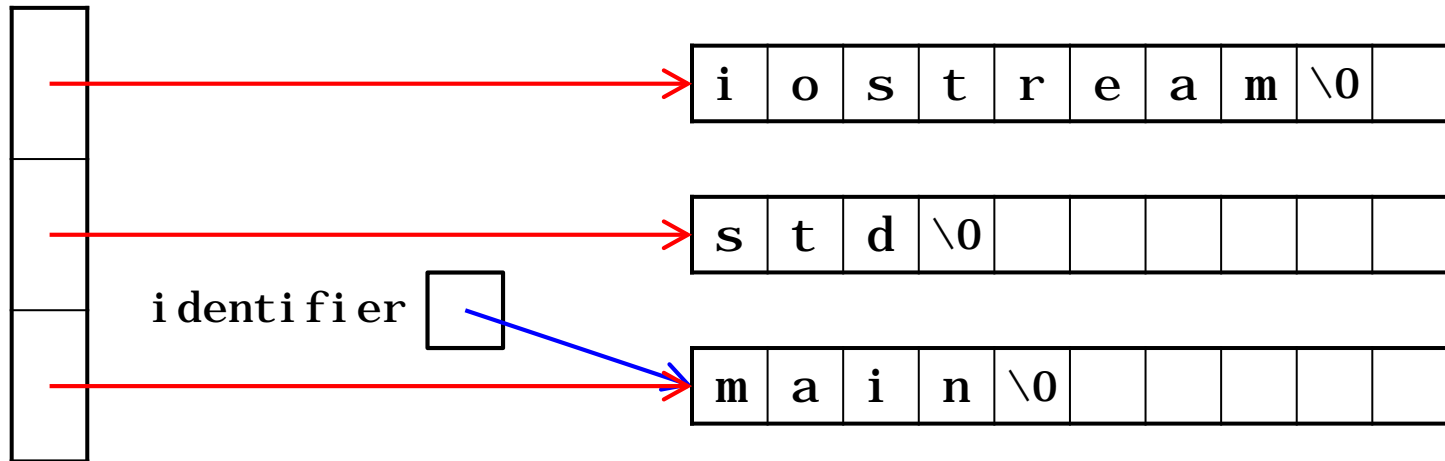
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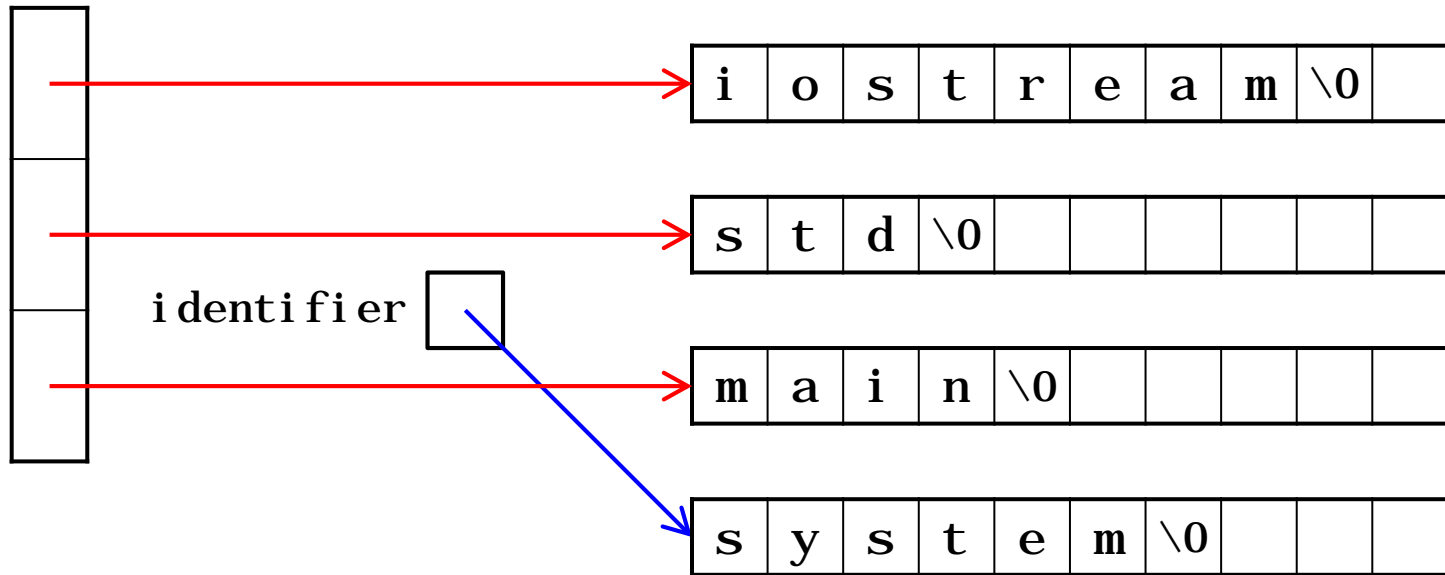
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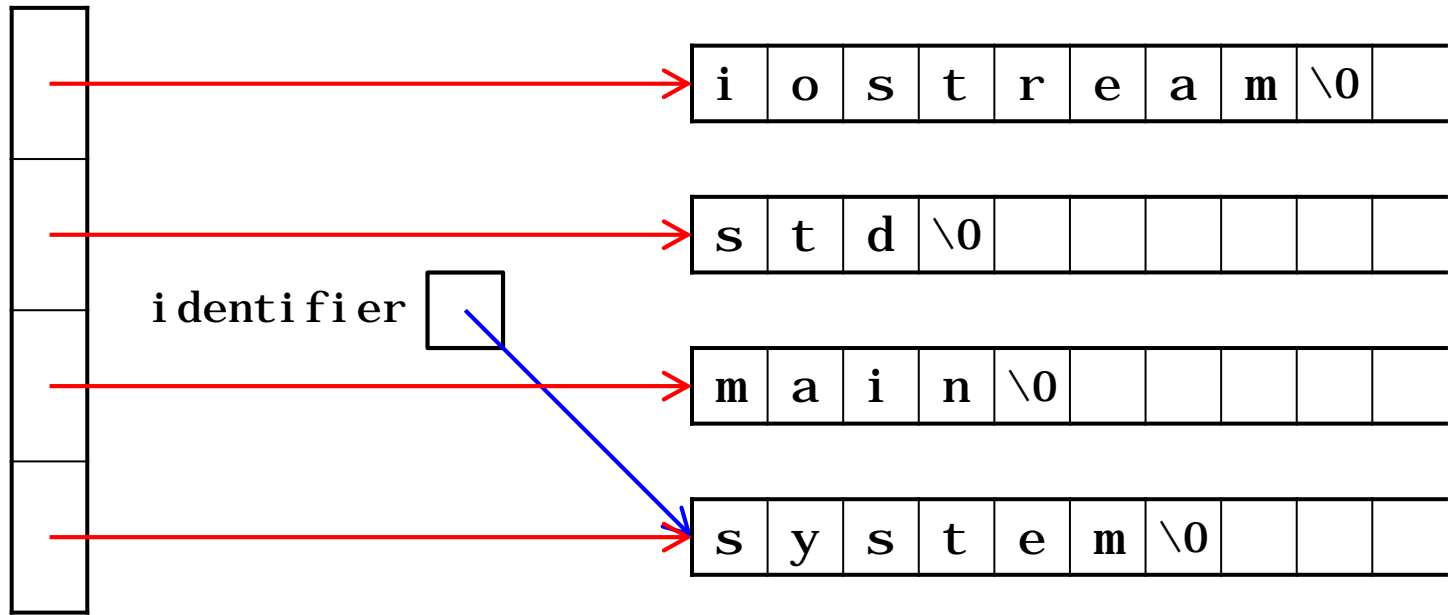
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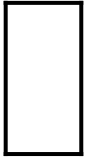
    while( true )
    {

        char *identifier = new char[ 100 ];
        for( size_t i = begin; i < end; i++ )
            identifier[ i - begin ] = sourceLine[ i ];
        identifier[ end - begin ] = '\0';

        if( !keyword( identifier ) )
            identifiers.push_back( identifier );
        delete[] identifier;
    }
}

```


identifiers

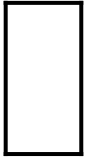


identifier

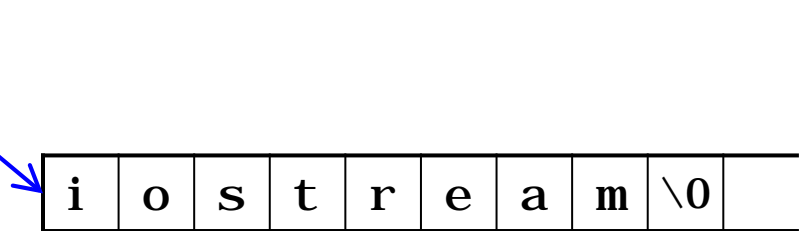


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identifiers

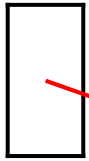


identifier

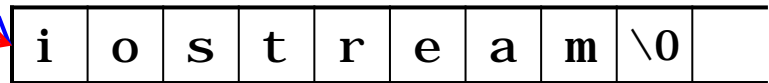


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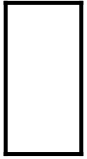


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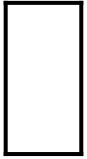


identifier

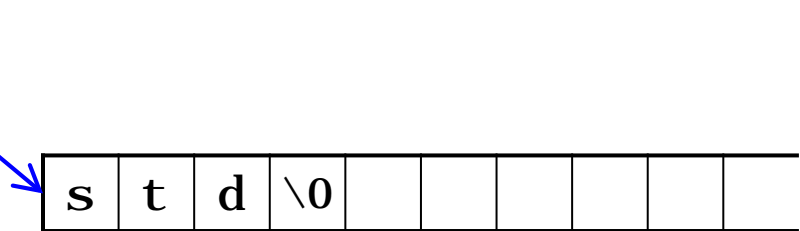


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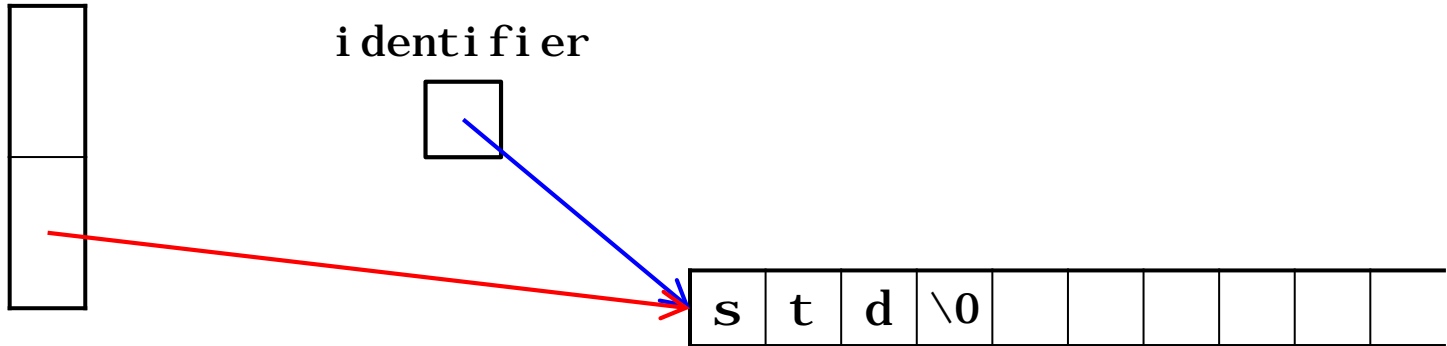


identifier



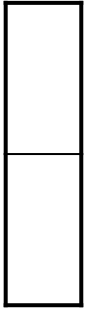
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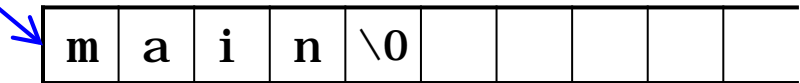


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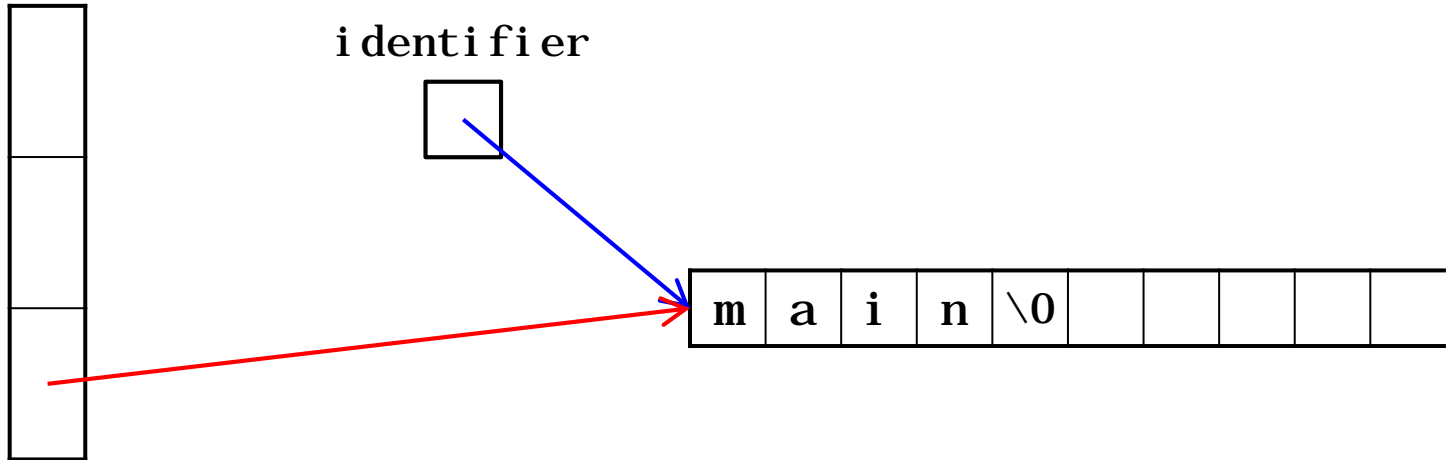


identifier



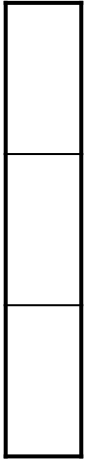
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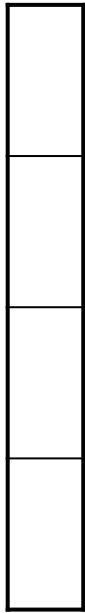


identifier

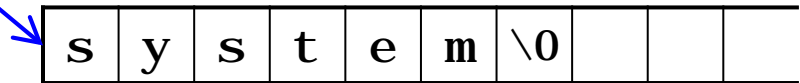


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identifiers

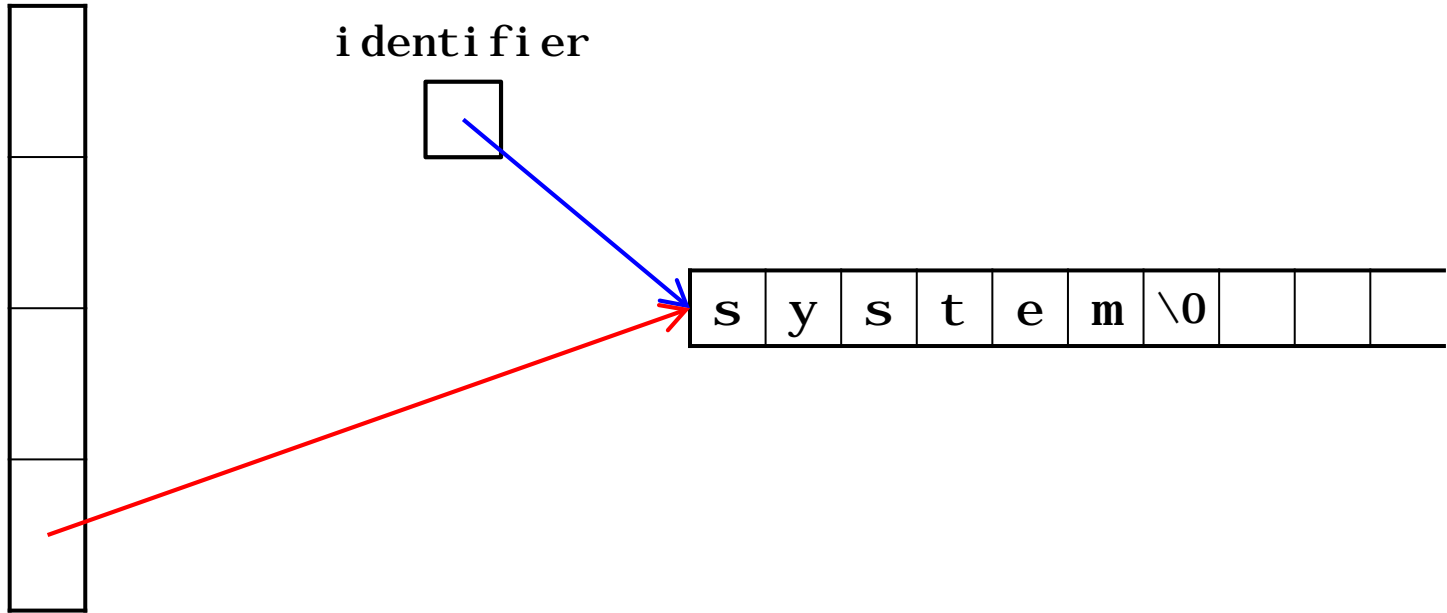


identifier



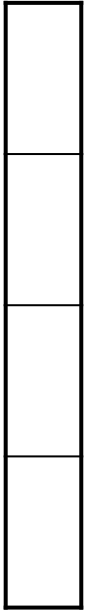
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identifiers

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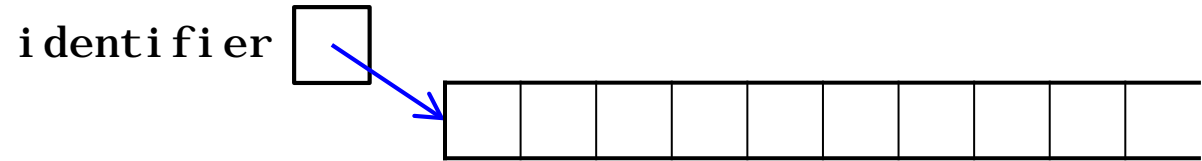
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identifiers



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{
```

```
    for( size_t i = begin; i < end; i++ )
```

```
        identifier[ i - begin ] = sourceLine[ i ];
```

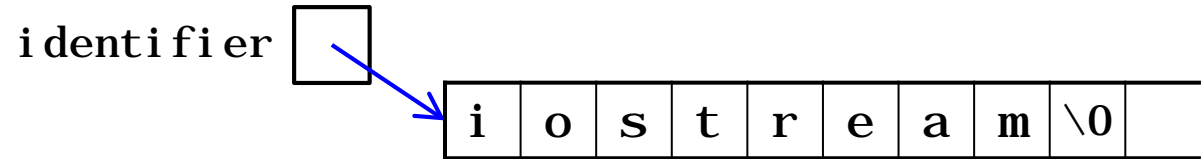
```
    identifier[ end - begin ] = '\0';
```

```
    if( !keyword( identifier ) )
```

```
        identifiers.push_back( identifier );
```

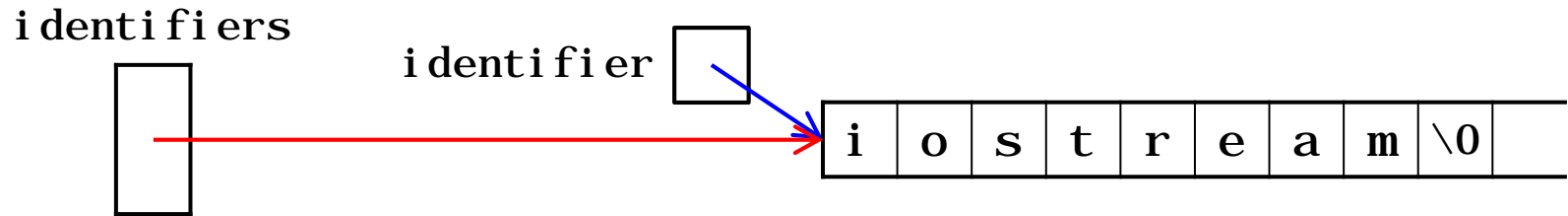
```
}
```


identifiers



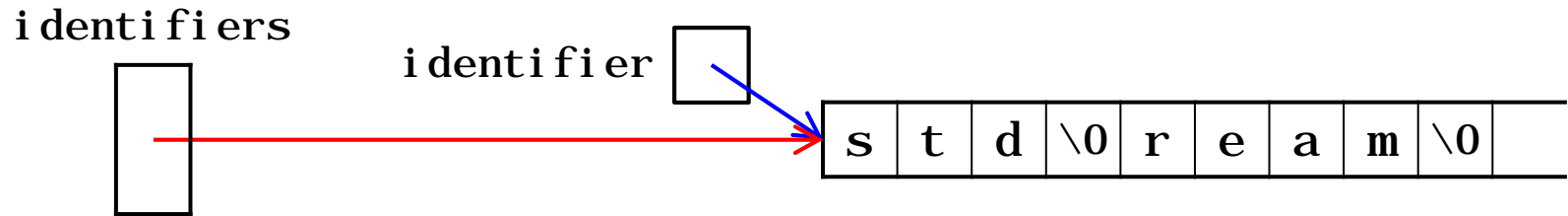
```
char *identifier = new char[ 100 ];  
while( true )  
{
```

```
    for( size_t i = begin; i < end; i++ )  
        identifier[ i - begin ] = sourceLine[ i ];  
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    if( !keyword( identifier ) )  
        identifiers.push_back( identifier );  
}
```



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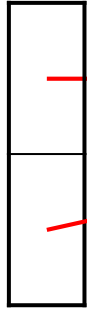
```
    for( size_t i = begin; i < end; i++ )  
        identifier[ i - begin ] = sourceLine[ i ];  
    identifier[ end - begin ] = '\0';  
  
    if( !keyword( identifier ) )  
        identifiers.push_back( identifier );  
}
```



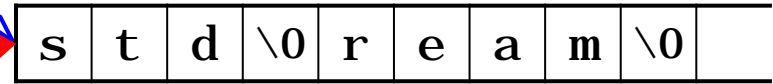
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    for( size_t i = begin; i < end; i++ )  
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identifiers



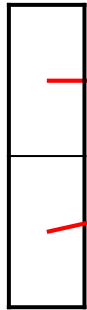
identifier



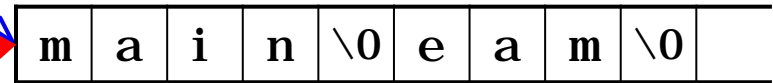
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{
```

```
    for( size_t i = begin; i < end; i++ )  
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        identifiers.push_back( identifier );  
}
```

identifiers



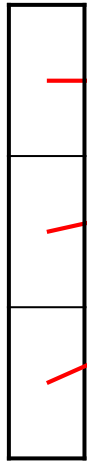
identifier



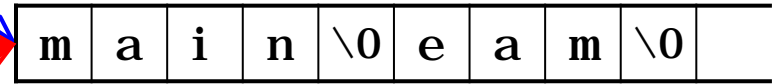
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while( true )  
{
```

```
    for( size_t i = begin; i < end; i++ )  
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}
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identifiers



identifier



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